

MINOR CHANGE APPLICATION
RADIO POWER, INC.
W284BQ FM TRANSLATOR STATION
CH 230D - 93.9 MHZ - 0.25 KW
DETROIT, MICHIGAN
March 2011

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Radio Power, Inc. ("RPI"), licensee of FM translator station W284BQ, Channel 284D, Detroit, Michigan.¹ RPI proposes herein to make minor changes in the facilities of W284BQ by changing to Channel 230D, slightly modifying the location, reducing height above ground level and above mean sea level, and utilizing a directional antenna. The proposed W284BQ facility will rebroadcast WRCJ-FM, Channel 215B, Detroit, Michigan. As the WRCJ-FM 54 dBu contour completely encompasses the 54 dBu contour of the proposed W284BQ, as shown on Exhibit A, this translator is considered a fill-in translator.

The proposed W284BQ antenna system will be located on a new supporting structure that is 6.1 meters (20 feet) in height. The tower on which the antenna will be located does not require registration with the FCC, as determined using the FCC Program TOWAIR, nor does it require approval from the FAA, as determined using the FAA Notice Criteria Tool.

Exhibit B is a computer study demonstrating that the proposed W284BQ translator will not cause interference to any full service station, nor will interference be delivered to or received from any existing FM translator or LPFM application or station, with the exception of CKLW,

1) Currently the station is silent as authorized under BLSTA-20110224ABC.

Windsor, Ontario, the existing W284BQ facility (IF shortspace), and W230BI², Detroit, Michigan. No actual interference will be delivered to or received from W230BI on Channel 232, due to the ratio of the desired to undesired signals, as demonstrated in Exhibit B.

Exhibit C is a map showing there is common 60 dBu contour area between the authorized W284BQ and proposed W284BQ facility; as such the proposed W284BQ on Channel 230 is mutually exclusive with the licensed W284BQ.

As the proposed translator will be co-located with TV stations, it was not possible to use the radio frequency radiation worksheets associated with FCC Form 349. Therefore, attached as Exhibit D is a study that shows the proposed W284BQ complies with the Commission's RF exposure guidelines.

All other necessary documentation used to certify the technical portion of FCC Form 349 has been forwarded to RPI and is available to the Commission upon request.³

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- 2) W230BI has submitted a license application to cover its construction permit to operate on Channel 232D, serving Detroit (BLFT-20110323ABI). Therefore, the licensed W230BI is not considered further.
 - 3) The undersigned has evaluated only the radio frequency radiation exposure portion of the environmental review. All data regarding broadcast facilities was extracted from the CDBS database, based on the date of the interference study herein. We assume no liability for errors or omissions in that database which may be adverse to the request contained herein.